

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No. DERM1100-5	Serial No.: 09/976,361
	Applicant(s): Rheins and Morhenn	
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: October 11, 2001	Group Art Unit: 1646

U.S. PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
Duplicate	AA	4,537,776	08/27/1985	Eugene R. Cooper			
Duplicate	AB	4,971,800	10/20/1990	Samuel Chess et al.			
Duplicate	AC	5,460,939	10/24/1995	John F. Hansbrough and Gail K. Naughton			
Duplicate	AD	5,753,612	05/19/1998	Eduardo Mitrani			
ZH	AE	5,811,239	09/22/1998	Elizabeth G. Frayne			
ZH	AF	6,054,277	04/25/2000	Leo T. Furcht, et al.			
ZH	AG	6,056,859	05/02/2000	J. Michael Ramsey et al.			

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FOREIGN PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

ZH	AH	Paludan, K. and Thestrup-Pedersen, K., "Use of the Polymerase Chain Reaction in Quantification of Interleukin 8 mRNA in Minute Epidermal Samples", <i>The Journal of Investigative Dermatology</i> , Vol. 99, No. 6, December 1992.
ZH	AI	Torre and Gino, "Epidermal Cells on Stubs Used for Detection of GSR with SEM-EDX: Analysis of DNA Polymorphisms," <i>Journal of Forensic Sciences</i> , JFSCA, Vol. 41, No. 4, July 1996, pgs. 658-659.

EXAMINER Zach Howard	DATE CONSIDERED 6-16-2004
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3H	AJ	Garofano, L. et al., "PCR based analysis of epidermal cells found on adhesive tape," <i>Advances in Forensic Haemogenetic</i> , Vol. 6, 1996, pgs. 281-283. (<i>Istituto di Anatomia e Fisiologia Umana, Universita degli Studi ti Torino, Italy</i>).
3H	AK	Garofano, L. et al., "Comparison of Powerplex® 16 System and Other Multiplex STR Typing Kits on Casework," (<i>Reporto Carabinieri Investigazioni Scientifiche, Parma, Italia.</i>), 2000. Reference available at: http://www.promega.com/geneticidproc/ussymp11proc/default.htm

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Substitute Form PTO-1449
(Modified)Department of Commerce
Patent and Trademark Office

Attorney's Docket No.

DERM1100-5

Application No.
UnassignedInformation Disclosure Statement
by Applicant

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant

Rheins and Morhenn

Filing Date

October 11, 2001

Group Art Unit

Unassigned

10/11/01
09/976361
U.S. PTO

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AB							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
3H	AC	Farage, M.A., et al., "DEVELOPMENT OF A NONINVASIVE METHOD FOR ASSESSING HUMAN SKIN IRRITATION," The Toxicologist (1997) Vol. 36, No. 1, Part 2, pp. 365.
	AD	Nickoloff, B.J., M.D., Ph.D., et al., "Perturbation of epidermal barrier function correlates with initiation of cytokine cascade in human skin," Journal of the American Academy of Dermatology (1994) Vol. 30, No. 4, pp. 535-546.
	AE	Tetsuji, H., et al., "Elevation of Interleukin 1 Receptor Antagonist in the Stratum Corneum of Sun-exposed and Ultraviolet B-irradiated Human Skin," The Journal of Investigative Dermatology (1996) Vol. 106, No. 5, pp. 1102-1107.
	AF	Weigand, D.A., M.D., et al., "REMOVAL OF STRATUM CORNEUM IN VIVO: AN IMPROVEMENT ON THE CELLOPHANE TAPE STRIPPING TECHNIQUE," The Journal of Investigative Dermatology (1973) Vol. 60, No. 2, pp. 84-87.
	AG	van Hoogdalem, Ewoud J., "Assay of Erythromycin in Tape Strips of Human Stratum corneum and Some Preliminary Results in Man" Skin Pharmacol (1992) Vol. 5, pp. 124-128.
	AH	van der Molen, R.G., et al., "Tape stripping of human stratum corneum yields cell layers that originate from various depths because of furrows in the skin," Archives of Dermatological Research (1997) Vol. 289, pp. 514-518.
	AI	Dreher, F., et al., "Colorimetric Method for Quantifying Human Stratum Corneum Removed by Adhesive-Tape-Stripping," Acta Derma Venereol (Stockholm), (1998) Vol. 78, pp. 186-189.
	AJ	Martin, E., et al., "A Critical Comparison of Methods to Quantify Stratum corneum Removed by Tape Stripping," Skin Pharmacology (1996) Vol. 9, pp. 69-77.
	AK	Goldschmidt, H., M.D., et al., "Desquamation of the Human Horny Layer," Archives of Dermatology (1967) Vol. 95, pp. 583-586.
	AL	Hojyo-Tomoka, M.D., et al., "Does Cellophane Tape Stripping Remove the Horny Layer?" Archives of Dermatology (1972) Vol. 106, No. 5, pp. 767-768.
✓	AM	Klaschka, F., M.D., et al., "INDIVIDUAL TRANSPARENCY PATTERNS OF ADHESIVE-TAPE STRIP SERIES OF THE STRATUM CORNEUM," International Journal of Dermatology (1977), Vol. 16, No. 10, pp. 836-841.
	AN	Klaschka, F., et al., "New Measuring Device of Horny Layer Transparency," Archives of Dermatology (1975) Vol. 254, pp. 313-325.
	AO	Katz, H.I., M.D., et al., "Skin-Surface Touch Print for Diagnosing Fungal Infections," American Family Physician (1985) Vol. 31, No. 4, pp. 189-194.

Examiner Signature

Zach Howard

Date Considered

6-16-2004

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Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. DERM1100-5	Application No. Unassigned
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Rheins and Morhenn	
		Filing Date October 11, 2001	Group Art Unit Unassigned
(37 CFR §1.98(b))			

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
ZH	AP	Van Der Valk, P.G.M., et al., "A functional study of the skin barrier to evaporative water loss by means of repeated cellophane-tape stripping," <i>Clinical and Experimental Dermatology</i> (1990) Vol. 15, No. 3, pp. 180-182.
ZH	AQ	Potts, R.O., et al., "Physical Methods for Studying Stratum Corneum Lipids," <i>Seminars in Dermatology</i> (1992) Vol. 11, No. 2, pp. 129-138.
ZH	AR	Farage, M.A., et al., "Further Development of Noninvasive Method for Assessing Human Skin Irritation," Abstract #1909, The Procter & Gamble Company, (1998).

Examiner Signature	<i>Zach Howard</i>	Date Considered	6-16-2004
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Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
DERM1100-5Application No.
Unassigned**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant

Rheins and Morhenn

Filing Date

October 11, 2001

Group Art Unit

Unassigned

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
ZH	AA	5,753,612	5/19/98	Mitram	514	2	
ZH	AB	4,971,800	11/20/90	Chess <i>et al.</i>	424	449	
ZH	AC	4,537,776	8/27/85	Cooper	514	424	
ZH	AD	5,460,939	10/24/95	Hansbrough <i>et al.</i>	435	1.1	

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AE							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AF	

Examiner's Signature

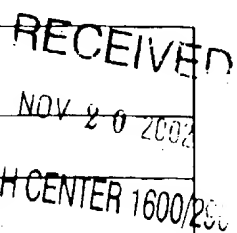
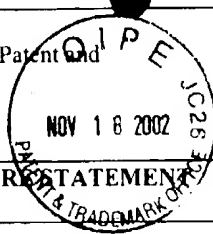
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6-16-2004

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U.S. PATENT DOCUMENTS

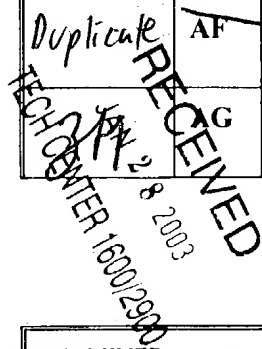
EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
ZM	AA	6,355,439 B1	03/12/02	Chung et al.	435	6	09/22/99

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION (YES/NO)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

ZM	AB	Cosini and Galli, "Cytokines and Irritant Contact Dermatitis," <i>Toxicology Letters</i> , 102-103:277-282, Elsevier (1998).
Duplicate	AC	Dreher et al., "Colorimetric Method for Quantifying Human Stratum Corneum Removed by Adhesive-Tape Stripping," <i>Acta Derm Venereol</i>, 78:186-189, Scandinavian University Press (1998).
Duplicate	AD	Farage, M.A. et al., "Further Development of Noninvasive Method for Assessing Human Skin Irritation," Abstract #1909, The Proctor & Gamble Company, (1998)
ZM	AE	Freedberg et al., "Keratins and the Keratinocyte Activation Cycle," <i>The Journal of Investigative Dermatology</i> , 116(5):633-640, The Society for Investigative Dermatology, Inc. (2001).
Duplicate	AF	Goldschmidt and Kligman, "Desquamation of the Human Horny Layer," <i>Arch. Derm.</i>, 95:583-586, American Medical Association (1967).
	AG	Hamid et al., "In Vivo Expression of IL-12 and IL-13 in Atopic Dermatitis," <i>Journal of Allergy and Clinical Immunology</i> , 98(1):1-8, Mosby-Year Book, Inc. (1996).



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October 11, 2001Group Art Unit
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3M	AH	Hirao et al., "Elevation of Interleukin 1 Receptor Antagonist in the Stratum Corneum of Sun-Exposed and Ultraviolet B-Irradiated Human Skin," <i>The Journal of Investigative Dermatology</i> , 106(5):1102-1107, The Society for Investigative Dermatology, Inc. (1996).
Duplicate	AI	Hojyo-Tomoka and Kligman, "Does Cellophane Tape Stripping Remove the Horny Layer?" <i>Arch. Derm.</i>, 106(5):767-768 (1972).
3M	AJ	Junghans et al., "Epidermal Cytokines IL-1 β , TNF- α , and IL-12 in Patients with Atopic Dermatitis: Response to Application of House Dust Mite Antigens," <i>The Journal of Investigative Dermatology</i> , 111(6):1184-1188, The Society for Investigative Dermatology, Inc. (1998).
Duplicate	AK	Katz et al., "Skin-Surface Touch Print for Diagnosing Fungal Infections," <i>American Family Physician</i>, 31(4):189-194, American Academy of Family Physicians (1985).
Duplicate	AL	Klaschka and Norenberg, "Individual Transparency Patterns of Adhesive-Tape Strip Series of the Stratum Corneum," <i>International Journal of Dermatology</i>, 16(10):836-841, J.B. Lippincott Company (1997).
Duplicate	AM	Klaschka and Nörenberg, "New Measuring Device of Horny Layer Transparency," <i>Arch. Derm. Res.</i>, 254:313-325, Springer-Verlag (1975).
3M	AN	Kondo et al., "Characterization of Epidermal Cytokine Profiles in Sensitization and Elicitation Phases of Allergic Contact Dermatitis as Well as Irritant Contact Dermatitis in Mouse Skin," <i>Lymphokine and Cytokine Research</i> , 13(6):367-375, Mary Ann Liebert, Inc. (1994).
Duplicate	AO	Martin et al., "A Critical Comparison of Methods to Quantify Stratum corneum Removed by Tape Stripping," <i>Skin Pharmacol.</i>, 9:69-77 S. Karger AG (1996).
Duplicate	AP	Nickoloff and Naidu, "Perturbation of Epidermal Barrier Function Correlates with Initiation of Cytokine Cascade in Human Skin," <i>Journal of the American Academy of Dermatology</i>, 30(4):535-546, American Academy of Dermatology, Inc. (1994).
3M	AQ	Nickoloff et al., "Keratinocyte Interleukin-10 Expression is Upregulated in Tape-Stripped Skin, Poison Ivy Dermatitis, and Sezary Syndrome, but Not in Psoriatic Plaques," <i>Clinical Immunology and Immunopathology</i> , 73(1):63-68, Academic Press, Inc. (1994).

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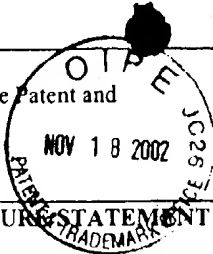
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3M	AR	Ohmen et al., "Overexpression of IL-10 in Atopic Dermatitis," <i>The Journal of Immunology</i> , 154:1956-1963, The American Association of Immunologists (1995).
3M	AS	Perkins et al., "Development of a Noninvasive Method for Assessing Human Skin Irritation," <i>The Toxicologist</i> , 36(1):365, Academic Press, Inc. (1997).
3M	AT	Perkins et al., "A Noninvasive Method to Assess Skin Irritation and Compromised Skin Conditions Using Simple Tape Adsorption of Molecular Markers of Inflammation," <i>Skin Res. Technol.</i> , 7(4):227-237 (2001).
Duplicate	AU	Potts and Francoeur, "Physical Methods for Studying Stratum Corneum Lipids," <i>Seminars in Dermatology</i>, 11(2):129-138, W.B. Saunders Company (1992).
3M	AV	Ryan and Gerberick, "Cytokine mRNA Expression in Human Epidermis after Patch Treatment with Rhus and Sodium Lauryl Sulfate," <i>American Journal of Contact Dermatitis</i> , 10(3):127-135, W.B. Saunders Company (1999).
Duplicate	AW	van der Molen et al., "Tape Stripping of Human Stratum Corneum Yields Cell Layers that Originate from Various Depths because of Furrows in the Skin," <i>Arch. Dermatol. Res.</i>, 289:514-518, Springer-Verlag (1997).
Duplicate	AX	van der Valk and Maibach, "A Functional Study of the Skin Barrier to Evaporative Water Loss by Means of Repeated Cellophane-Tape Stripping," <i>Clinical and Experimental Dermatology</i>, 15(3):180-182 (1990).
Duplicate	AY	van Hoogdale, "Assay of Erythromycin in Tape Strips of Human Stratum corneum and Some Preliminary Results in Man," <i>Skin Pharmacol.</i>, 5:124-128, S. Karger AG (1992).
Duplicate	AZ	Weigand and Gaylor, "Removal of Stratum Corneum in Vivo: An Improvement on the Cellophane Tape Stripping Technique," <i>The Journal of Investigative Dermatology</i>, 60(2):84-87, The Williams & Wilkins Co. (1973).
3M	BA	Yawalkar and Pichler, "Pathogenesis of Drug-Induced Exanthema," <i>Int. Arch. Allergy Immunol.</i> , 124:336-338, S. Karger AG (2001).

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FORM PTO-1449

U.S. Department of Commerce Patent and
Trademark OfficeDocket No.:
DERM1100-5Serial No.:
09:976,301

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Applicants: Rheins and Morhenn

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October 11, 2001Group Art Unit:
1646

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

3H	AA	Brand et al., "IL-1 β Protein in Human Skin Lymph Does Not Discriminate Allergic from Irritant Contact Dermatitis," <i>Contact Dermatitis</i> , 35:152-156, Munksgaard, Denmark (1996).
3H	AB	Grängsjö et al., "Different Pathways in Irritant Contact Eczema? Early Differences in the Epidermal Elemental Content and Expression of Cytokines after Application of 2 Different Irritants," <i>Contact Dermatitis</i> , 35:355-360, Munksgaard, Denmark (1996).
3H	AC	Hoefakker et al., "In vivo Cytokine Profiles in Allergic and Irritant Contact Dermatitis," <i>Contact Dermatitis</i> , 33:258-266, Munksgaard, Denmark (1995).
Duplicate	AD	Kondo et al., "Characterization of Epidermal Cytokine Profiles in Sensitization and Elicitation Phases of Allergic Contact Dermatitis as Well as Irritant Contact Dermatitis in Mouse Skin," <i>Lymphokine and Cytokine Research</i>, 13(6):367-375, Mary Ann Liebert, Inc. (1994).

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